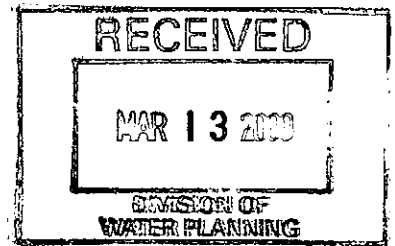




Federal Emergency Management Agency

Washington, D.C. 20472



CERTIFIED MAIL
RETURN RECEIPT REQUESTED

The Honorable Tony Armstrong
Mayor, City of Sparks
P.O. Box 857
Sparks, NV 89432-0857

IN REPLY REFER TO:
Case No.: 00-09-265P

Community: City of Sparks, Nevada
Community No.: 320021
Panels Affected: 32031C3003 E and 3005 E
Effective Date of
This Revision: **FEB 29 2000**

102-I-C

Dear Mayor Armstrong:

This responds to a request that the Federal Emergency Management Agency (FEMA) revise the effective Flood Insurance Rate Map (FIRM) and Flood Insurance Study (FIS) report for Washoe County, Nevada and Incorporated Areas (the effective FIRM and FIS report for your community), in accordance with Part 65 of the National Flood Insurance Program (NFIP) regulations. In a letter dated December 15, 1999, Mr. David Carlson, Senior Hydrologist, Nimbus Engineers, requested that FEMA revise the FIRM and FIS report to show the effects of construction along Kiley Channel of a trapezoidal earthen channel from approximately 3,700 feet downstream to just downstream of Sparks Boulevard; three 18-inch reinforced-concrete pipe culverts (RCPs) at the temporary roadway crossing of Los Altos Parkway; and a 48-inch RCP and a 200-foot-wide riprap-lined spillway at Sparks Boulevard; construction along Spanish Spring Creek (also known as North Truckee Drain) of a temporary detention basin from just upstream of Sparks Boulevard to just downstream of Spanish Springs Dam; and updated topographic information for Kiley Channel and Spanish Spring Creek. This request follows up on a Conditional Letter of Map Revision issued on March 24, 1998, and incorporates the portion of the March 24 CLOMR for the channelization of Kiley Channel from approximately 300 feet upstream of Summit View Drive to just downstream of Sparks Boulevard. Although part of the project area is shown on the FIRM as in the unincorporated areas of Washoe County, the affected areas were annexed by the City of Sparks.

All data required to complete our review of this request were submitted with letters from Mr. Rich Johnson, also with Nimbus Engineers, and Mr. Carlson.

We have completed our review of the submitted data and the flood data shown on the effective FIRM and FIS report. We have revised the FIRM and FIS report to modify the floodplain boundary delineations of the flood having a 1-percent chance of being equaled or exceeded in any given year (base flood) along Spanish Spring Creek from approximately 1,300 feet downstream of Summit View Drive to just downstream of Spanish Springs Detention Basin. As a result of the modifications, the width of the Special Flood Hazard Area (SFHA), the area that would be inundated by the base flood, for Spanish Spring Creek increased in some areas and decreased in other areas. The modifications are shown on the enclosed annotated copies of FIRM Panel(s) 32031C3003 E and 32031C3005 E and affected portions of the Summary of Discharges Table. This Letter of Map Revision (LOMR) hereby revises the above-referenced panel(s) of the effective FIRM and the affected portions of the FIS report, both dated September 30, 1994.

The modifications are effective as of the date shown above. The map panel(s) as listed above and as modified by this letter will be used for all flood insurance policies and renewals issued for your community.

A review of the determination made by this LOMR and any requests to alter this determination should be made within 30 days. Any request to alter the determination must be based on scientific or technical data.

We will not physically revise and republish the FIRM and FIS report for your community to reflect the modifications made by this LOMR at this time. When changes to the previously cited FIRM panel(s) and FIS report warrant physical revision and republication in the future, we will incorporate the modifications made by this LOMR at that time.

This LOMR is based on minimum floodplain management criteria established under the NFIP. Your community is responsible for approving all floodplain development and for ensuring all necessary permits required by Federal or State law have been received. State, county, and community officials, based on knowledge of local conditions and in the interest of safety, may set higher standards for construction in the SFHA. If the State, county, or community has adopted more restrictive or comprehensive floodplain management criteria, these criteria take precedence over the minimum NFIP criteria.

The basis of this LOMR is, in whole or in part, a channel-modification/culvert project. NFIP regulations, as cited in Paragraph 60.3(b)(7), require that communities ensure that the flood-carrying capacity within the altered or relocated portion of any watercourse is maintained. This provision is incorporated into your community's existing floodplain management regulations. Consequently, the ultimate responsibility for maintenance of the modified channel and culverts rests with your community.

Because this LOMR will not be printed and distributed to primary users, such as local insurance agents and mortgage lenders, your community will serve as a repository for these new data. We encourage you to disseminate the information reflected by this LOMR throughout the community, so that interested persons, such as property owners, local insurance agents, and mortgage lenders, may benefit from the information. We also encourage you to prepare a related article for publication in your community's local newspaper. This article should describe the changes that have been made and the assistance that officials of your community will give to interested persons by providing these data and interpreting the NFIP maps.

This determination has been made pursuant to Section 206 of the Flood Disaster Protection Act of 1973 (Public Law 93-234) and is in accordance with the National Flood Insurance Act of 1968, as amended (Title XIII of the Housing and Urban Development Act of 1968, Public Law 90-448), 42 U.S.C. 4001-4128, and 44 CFR Part 65. Pursuant to Section 1361 of the National Flood Insurance Act of 1968, as amended, communities participating in the NFIP are required to adopt and enforce floodplain management regulations that meet or exceed minimum NFIP criteria. These criteria are the minimum and do not supersede any State or local requirements of a more stringent nature. This includes adoption of the effective FIRM to which the regulations apply and the modifications made by this LOMR. Our records show that your community has met this requirement.

A Consultation Coordination Officer (CCO) has been designated to assist your community. The CCO will be the primary liaison between your community and FEMA. For information regarding your CCO, please contact:

Ms. Sally Ziolkowski
Director, Mitigation Division
Federal Emergency Management Agency, Region IX
The Presidio of San Francisco, Building 105
San Francisco, California 94129-1250
(415) 923-7177

FEMA makes flood insurance available in participating communities; in addition, we encourage communities to develop their own loss reduction and prevention programs. Through the *Project Impact: Building Disaster Resistant Communities* initiative, launched by FEMA Director James Lee Witt in 1997, we seek to focus the energy of businesses, citizens, and communities in the United States on the importance of reducing their susceptibility to the impact of all natural disasters, including floods, hurricanes, severe storms, earthquakes, and wildfires. Natural hazard mitigation is most effective when it is planned for and implemented at the local level, by the entities who are most knowledgeable of local conditions and whose economic stability and safety are at stake. For your information, we are enclosing a copy of a pamphlet describing this nationwide initiative. For additional information on *Project Impact*, please visit our Web site at www.fema.gov/impact.

If you have any questions regarding floodplain management regulations for your community or the NFIP in general, please contact the CCO for your community at the telephone number cited above. If you have any questions regarding this LOMR, please contact the FEMA Map Assistance Center, toll free, at 1-877-FEMA MAP (1-877-336-2627).

Sincerely,



Max H. Yuan, P.E., Project Engineer
Hazards Study Branch
Mitigation Directorate

For: Matthew B. Miller, P.E., Chief
Hazards Study Branch
Mitigation Directorate

Enclosure(s)

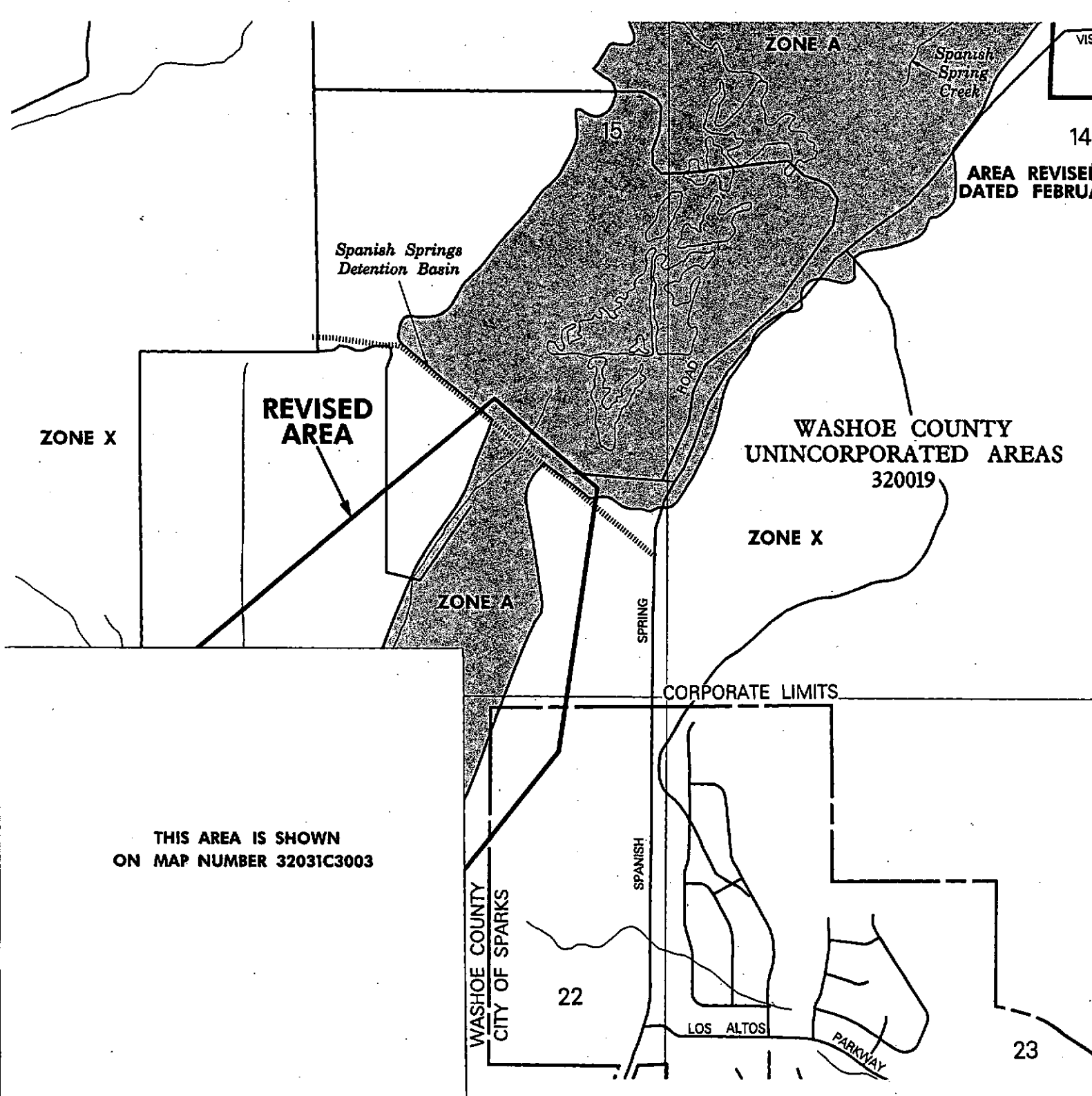
cc: The Honorable Ted Short
Chairman
Washoe County Board of Commissioners

Mr. Neil Krutz, P.E.
Engineer Services Manager
Development and Operations
Public Works
City of Sparks

Mr. Dave Price
Engineer
Washoe County

Mr. David Carlson
Senior Hydrologist
Nimbus Engineers

Mr. Rich Johnson
Nimbus Engineers



THIS AREA IS SHOWN
ON MAP NUMBER 32031C3003

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

**WASHOE COUNTY,
NEVADA AND
INCORPORATED AREAS**

PANEL 3005 OF 3350
(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS: COMMUNITY	NUMBER	PANEL	SUFFIX
SPARKS, CITY OF	320021	3005	E
WASHOE COUNTY, UNINCORPORATED AREAS	320019	3005	E

**REVISED TO
REFLECT LOMR
DATED**

**MAP NUMBER
32031C3005 E**

**EFFECTIVE DATE:
SEPTEMBER 30, 1994**

FEB 29 2000


 Federal Emergency Management Agency

Table 3. Summary of Discharges

Flooding Source and Location	Drainage Area (Square Miles)	Peak Discharges (cfs)			
		10-Year	50-Year	100-Year	500-Year
Truckee River					
At Reno	1,067.0	5,000	12,000	18,000	38,500
At Vista	1,429.0	5,000	15,000	20,500	32,000 ¹
At Wadsworth	1,719.0	5,000	15,900	21,900	34,400
Steamboat Creek					
At Confluence with Truckee River	154.0	1,850	4,800	7,000	15,700
Below Confluence with Boynton Slough	148.0	1,770	4,600	6,650	15,100
Above Confluence with Boynton Slough	112.0	1,350	3,450	5,000	11,300
Below Confluence with Thomas Creek	107.0	1,270	3,280	4,760	10,780
Below Confluence with Bailey Canyon Creek	59.5	880	2,800	4,410	11,900
Above Confluence with Bailey Canyon Creek	43.6	660	2,090	3,290	8,880
At U.S. Geological Survey Gage 349300	39.0	640	2,050	3,230	8,720
Below confluence with Galena Creek	27.5	630	2,000	3,150	8,520
Above Confluence with Galena Creek	8.0	110	350	540	1,480
Bailey Canyon Creek					
At Mouth	15.9	220	710	1,120	3,020
Galena Creek					
At Mouth	19.5	510	1,620	2,560	6,910
North Truckee Drain					
At confluence with Truckee River	87	--2	--2	2,240	--2
Upstream of Prater Way	81	--2	--2	1,670	--2
At Shadow Lane	64	--2	--2	785	--2

¹Decrease Due to Storage Capacity at Vista

²Data Not Computed

REVISED TO
REFLECT LOMR
DATED FEB 29 2000



APPROXIMATE SCALE IN FEET
500 0 500

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

WASHOE COUNTY,
NEVADA AND
INCORPORATED AREAS

PANEL 3003 OF 3350
(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS:
COMMUNITY NUMBER PANEL SUFFIX

SPARKS, CITY OF	320023	3003	E
WASHOE COUNTY UNINCORPORATED AREAS	320019	3003	E

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REFLECT LOMR
DATED
MAP NUMBER
32031C3003 E
FEB 29 2000

EFFECTIVE DATE:
SEPTEMBER 30, 1994



Federal Emergency Management Agency

SUMMIT VIEW DRIVE

Creek
Spring

SPARKS

Channel

BOULEVARD

ZONE A

LOS ALTOS
PARKWAY

REVISED AREA

WASHOE COUNTY
UNINCORPORATED AREAS
320019

ZONE X

ZONE A

ZONE X

ZONE X

ZONE A

Spring

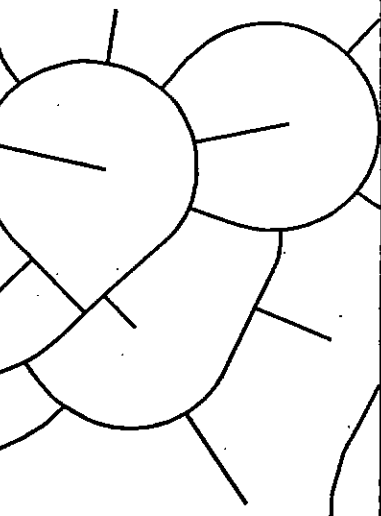
Creek

WASHOE COUNTY
CITY OF SPARKS

DISC DRIVE

CORPORATE LIMITS

SPARKS
BOULEVARD



ZONE X
CITY OF SPARKS
320021